

FOR DISCUSSION ONLY

DO NOT PLACE IN FILE

PROPOSED CLAIM AMENDMENTS IN RESPONSE TO
FINAL OFFICE ACTION DATED AUGUST 13, 2003

1. (currently amended) A method of predicting future locations of a moving object, comprising the steps of:

receiving a current location of the moving object;

obtaining a destination of the moving object;

computing a path along which the moving object travels from the current location to the

destination; and

constructing a ^{model} trajectory for predicting future locations of the moving object, wherein the

trajectory approximates a time-based motion of the moving object along the path;

using the trajectory to predict a plurality of future locations of the moving object; and ??

displaying the future locations of the moving object on a map so as to show the moving object moving along the path from the current location to the destination.

18 1. (currently amended) A method of predicting future locations of a moving object, comprising the steps of:

receiving a current location of the moving object;

obtaining a destination of the moving object;

computing a path along which the moving object travels from the current location to the

destination; and

constructing a trajectory for predicting future locations of the moving object, wherein the

trajectory approximates a time-based motion of the moving object along the path;

FOR DISCUSSION ONLY**DO NOT PLACE IN FILE**

using the trajectory to predict a corresponding future location of the moving object for each of a plurality of different future times; and

when a current time approximately equals each of the future times, displaying the corresponding future location of the moving object on a map so as to show the moving object moving along the path from the current location to the destination.

1. (currently amended) A method of predicting future locations of a moving object, comprising the steps of:

receiving a current location of the moving object;

obtaining a destination of the moving object;

computing a path along which the moving object travels from the current location to the destination; ~~and~~

constructing a trajectory for predicting past and future locations of the moving object, wherein the trajectory approximates a time-based motion of the moving object along the path; and:

using the trajectory to predict a plurality of past and future locations of the moving object.

1. (currently amended) A method of predicting future locations of a moving object, comprising the steps of:

receiving a current location of the moving object;

FOR DISCUSSION ONLY**DO NOT PLACE IN FILE**

obtaining a destination of the moving object;

computing a path along which the moving object travels from the current location to the destination; and

constructing a trajectory for predicting future locations of the moving object, wherein the trajectory approximates a time-based motion of the moving object along the path;

receiving periodic requests for a current location of the moving object; and

in response to each request, using the trajectory to predict the current location of the moving object and responsively returning the current location of the moving object.

1. (currently amended) A method of predicting future locations of a moving object, comprising the steps of:

receiving a current location of the moving object;

obtaining a destination of the moving object;

computing a path along which the moving object travels from the current location to the destination; ~~and~~

constructing a trajectory for predicting future locations of the moving object, wherein the trajectory approximates a time-based motion of the moving object along the path; ~~and~~

receiving a request for a future location of the moving object at a specified future time;

using the trajectory to predict the future location of the moving object at the specified future time; and

returning the future location of the moving object at the specified future time.